

What is claimed is:

1 1. A backlight unit for a liquid crystal display,
2 comprising:

3 a light guide plate having a light receiving lateral side,
4 a first coupling lateral side, and a second coupling lateral side,
5 the first coupling lateral side having a first coupling member
6 and the second coupling lateral side having a second coupling
7 member;

8 a reflector disposed along the light receiving lateral side,
9 said reflector having a reflective cover, an opening, a first
10 holder, and a second holder, the opening positioned toward the
11 light receiving lateral side, the first holder extending toward
12 the first coupling lateral side and the second holder extending
13 toward the second coupling lateral side, the first holder having
14 a first linking member, and the second holder having a second
15 linking member; and

16 a light source installed inside the reflector, the light
17 emitted from the light source being reflected by the reflective
18 cover and transmitted into the light guide plate,

19 wherein the first and second coupling members are
20 respectively combined with the first and second linking members
21 for assembling the reflector and the light guide plate, and a
22 predetermined distance is formed between the reflector and the
23 light guide plate.

1 2. The backlight unit according to claim 1, wherein the first
2 coupling member is a protrusion, the first linking member is a
3 recess, and the protrusion is positioned in the recess when the
4 first coupling member combines with the first linking member.

1 3. The backlight unit according to claim 2, wherein the
2 recess has an opening and a bottom, the protrusion has a top
3 surface approaching the opening of the recess and a bottom surface
4 approaching the bottom of the recess, and the area of the top
5 surface is larger than the area of the bottom surface.

1 4. The backlight unit according to claim 3, wherein the
2 protrusion has a wedged shape.

1 5. The backlight unit according to claim 3, wherein the
2 protrusion has a triangular wedged shape.

1 6. The backlight unit according to claim 1, wherein the
2 reflector further includes a base cover, an angle is formed
3 between the first holder and the base cover, the angle is less
4 than 90 degrees;

5 as the light guide plate expands when heated, the light
6 guide plate pushes the first holder and the first angle is
7 increased to form a space, and the expanding portion of the light
8 guide plate is received in the space.

1 7. The backlight unit according to claim 1, further
2 comprising a reflecting sheet positioned under the light guide
3 plate.

1 8. The backlight unit according to claim 1, further
2 comprising a diffusing means positioned above the light guide
3 plate.



1 9. The backlight unit according to claim 8, wherein the
2 diffusing means comprises a diffusing sheet, a prism sheet, and
3 a protecting film.